

Peterson C. H., H. C. Summerson, R. A. Luettich. 1996. Response of bay scallops to spawner transplants: a test of recruitment limitation. Marine Ecology Process Series. 132: 93-107.

## 10.0 RECOMMENDED MANAGEMENT STRATEGIES AND RESEARCH RECOMMENDATIONS

### 10.1 MANAGEMENT STRATEGIES

The management strategies and research needs listed below are organized according to the General Problem Statements (Section 4.2) as recommended by the MFC. Each strategy is followed by a reference to the Principal Issue(s) and Management Options from Section 9.0 and indicated in parentheses that supports it, followed by which Goal(s) and Objective(s) it addresses from Subsection 3.1. An overall discussion of the environmental factors is in Section 8.0 with recommended management strategies for habitat and water quality found in Subsection 8.4.

#### 10.1.1 INSUFFICIENT DATA

DMF will only be able to approximate management that prevents overfishing and achieves sustainable harvest until necessary data are collected. Data are lacking from both the recreational and commercial bay scallop fisheries to provide a stock assessment. Socioeconomic surveys for both the commercial and recreational bay scallop fisheries are necessary to determine the economic impacts and demographics of the user groups.

[(Section 7.0, Issues 9.1 and 9.2), (Objectives 1, 3, 4, 5, and 6)]

##### 10.1.1.1 ISSUE: NO DATA ON RECREATIONAL HARVEST OF SHELLFISH

#### MFC Selected Management Strategy

- Recommend produce a mechanism to obtain data on the recreational scallop harvest.

##### 10.1.1.2 ISSUE: COMMERCIAL FISHERY MANAGEMENT MEASURES

#### MFC Selected Management Strategies

- Recommend continue prohibited take (started in January 2006) and evaluate the population status annually.
- Recommend sampling during the prohibited take period to define an independent sampling indicator for re-opening a harvest season.
- Recommend eliminating the December opening and compress the main season by beginning the last Monday in January.